BRUHATH BENGALURU MAHANAGARA PALIKE
DASARAHALLI DIVISION
WorkSlip

NAME OF WORK: Improvements to CC roads and Drains at Defence colony, Havanoor Layout , Munikondappa Layout in Bagalgunte and Improvements to roads and Drains at 16th A cross 19th Cross and other cross roads at Bagalgunte main road , Improvements to cc roads surrounding of magnum school bhuvaneshwari nagara at bagalagunte ward no 14(2works)

Agreement Cost : Rs 2,00,00,000.00 lakhs

Agreement No : EE/ DD/WO/ 134/ 20-21 Dated:20.11.2020

Name of Agency : M&V Construction Company

Sl No	Tender No.	Description	Unit	As per Sanctioned Estimate			As per Agreement			As per Actual execution upto 100%			Upto 125%			Beyond 125%			As per Actual execution		Excess	
				Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount		Qty	Rate	Amount	Qty	Amount	Qty	Amount
1	1	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	1000.34	80.56	80587.39	1000.34	116.87	116909.74	0.00	116.87	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	2342.58	203.10	475778.00	2342.58	239.48	561001.06	841.83	239.48	1494818.93	585.64	140250.00		5484.61	144.69	793569.80	5842.83	1494818.93	6070.25	973819.00
3	3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	Cum	256.46	5159.02	1323082.27	256.46	5758.80	1476901.85	0.00	5758.80	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	4	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500	Tonne	47.23	64243.42	3034216.73	47.23	78985.16	3730469.31	0.00	78985.16	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	5	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, beams of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	5294.80	310.58	1644458.98	5294.80	398.45	2109713.06	0.00	398.45	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.460 cum, with super plasticizers @ 3 liters confirming to is 9103-1999 realimed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.9	Cum	671.58	6571.66	4279079.42	671.58	6488.18	4357331.92	0.00	6488.18	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	7	Providing and laying precast drain cover slab of 100mm thickness in CM 1:3 including cost of all materials , labour , curing, transportation, loading, unloading etc., complete as per the direction of the engineer in charge (1.20x.6x0.10) deta rate With all lead and lift loading and unloading and all other incidental charge etc., complete as per specification and direction of the engineer-in-charge of the work.	Sqm	1328.40	2060.11	2736650.12	1328.40	2318.40	3079762.56	0.00	2318.40	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	8	KSRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20 MORTH Specification No. 202	Cum	422.85	365.70	154636.25	422.85	434.07	183546.50	0.00	434.07	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	9	KSRB 500-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	495.70	86.92	43086.24	495.70	144.69	71722.83	0.00	144.69	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	10	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum	871.16	1768.08	1540280.57	871.16	2101.34	1830603.35	2559.53	2101.34	5378438.57	217.79	457651.00		1470.58	2101.34	3090185.05	2559.53	5378438.57	1688.37	3547836.00
11	11	KSRSB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm	5396.90	29.68	160179.99	5396.90	35.62	192237.58	11874.84	35.62	434367.56	1349.22	48060.00		5128.72	37.84	194077.80	11874.84	434367.56	6477.94	242131.00
12	12	KSRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501	Sqm	5026.10	3.18	15983.00	5026.10	5.57	27995.38	22421.74	5.57	124889.09	1256.52	6999.00		16139.12	5.57	89895.80	22421.74	124889.09	17395.64	96894.00
13	13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm. heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	Sqm	13720.60	12.72	174526.03	13720.60	13.36	183307.22	24568.54	13.36	344703.19	3430.15	45827.00		7417.79	13.58	115578.80	24568.54	344703.19	10847.94	163397.00
14	14	KSRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	165.26	7120.02	1176654.51	165.26	7799.90	1289011.47	726.85	7799.90	5829138.52	41.32	322292.00		520.27	8107.09	4217656.00	726.85	5829138.52	561.59	4540128.00
15	15	KSRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using60/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (50 mm to 45 mm) with 6 % VG-30 Bitumen	Cum	333.25	8118.54	2705503.46	333.25	9049.80	3015345.85	896.87	9049.80	8298781.50	83.32	754030.00		480.30	9429.34	4528597.00	896.87	8298781.50	563.62	5282937.00
16	16	Add plastic to Bituminious concrete 8% of Bitumen	Kg	3765.60	27.00	101671.20	3765.60	28.35	106754.76	0.00	28.35	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	17	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	279.80	542.72	151853.06	279.80	477.48	133598.90	1172.48	477.48	559833.36	69.95	33400.00		822.73	477.48	392838.80	1172.48	559833.36	892.68	426235.00
		TOTAL				19798227.22			22466713.14			22464978.71		1808509.00				1342568.80		2246497871		1523137700

Abstract

As per Sanctioned Estimate Amount = Rs. 19798227.00
As per Agreement amount = Rs.22466436.80
As per actual execution = Rs. 22464978.00
Net Excess/Worksslip amount = Rs.13427568.00
Net Savings amount on aggrement amount = Rs.1667.29

(1667.29/22466713.00)*100)

0.0074211577

The Final project amount of Rs.22464978.00 is lesser by 0.0074211577% that is Rs.1667.00 compared to Sanctioned tender amount of Rs. 19798227.00 Hence there is no Extra Financial Implication to BBMP, kindly approve the WORKSLIP proposal

Asst Engineer
Ward No 14
BBMP

Assistant Executive Engineer
Bagalgunte Sub Division
BBMP

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Division, Bengaluru-73.